

**I claim:**

1. A power off method for a wireless device, the wireless device comprising a peripheral circuits and a control chip, the method comprising the steps of: pressing a button; and

5 terminating the power to peripheral circuits of said wireless device, hence bringing the wireless device into a power off mode.

10 2. The power off method for a wireless device as claimed in claim 1, further comprising a step to determine whether said button has been pressed longer than a preset period of time T or not.

15 3. The power off method for a wireless device as claimed in claim 2, wherein a power off function is enabled if said button is depressed for a period exceeding said time T.

4. The power off method for a wireless device as claimed in claim 2, wherein a function of changing a new ID code is enabled if said button is pressed for a period shorter than the preset time T.

15 5. The power off method for a wireless device as claimed in claim 1, further comprising a step of setting proper I/O configurations before entering into power off mode so as to reduce power consumption.

20 6. The power off method for a wireless peripheral device as claimed in claim 1, wherein the said wireless device has to be resumed by pressing said button again, if said wireless device has been put in the power off mode through said method.

7. A power off method for a wireless peripheral device, an ID code being stored in a control chip of said wireless peripheral device, said method comprising

the steps of:

pressing a key; and cutting off terminating power supply to all other parts except said control chip.

8. The power off method for a wireless peripheral device as claimed in claim 7,

5 further comprising a step to determine whether said key has been pressed over a preset period of time T or not.

9. The power off method for a wireless peripheral device as claimed in claim 8,

wherein said key provides a power off function if said key is pressed for a period of time exceeding said time T.

10. The power off method for a wireless peripheral device as claimed in claim

8, wherein said key provides a function of changing an ID code if said key is pressed for a period of time not exceeding said time T.

11. The power off method for a wireless peripheral device as claimed in claim

7, wherein an I/O configurations are further set before cutting off the power supplied to all other parts except said control chip.

12. The power off method for a wireless peripheral device as claimed in claim

7, wherein after the power supply to all other parts is terminated except said control chip, said key must be pressed to restore the power supply to said wireless peripheral device.

20 13. A power off method for a wireless peripheral device, wherein said wireless

peripheral device emits wireless signals to a wireless receiver, which is connected to a computer, a control chip of said wireless peripheral device storing an ID code after the completion of an identification process between said wireless peripheral device and said wireless receiver, wherein the signal

emitted from said wireless peripheral device is received by said wireless receiver and said power off method comprises the following steps:

press a key; and

reserving power supply to said control chip and terminating power supply to  
all other parts.

14. The power off method for a wireless peripheral device as claimed in claim  
13, further comprising a step to determine whether its pressed time has  
exceed the preset time  $T$  or not.

15. The power off method for a wireless peripheral device as claimed in claim  
10 or 14 wherein the said key provides a power off function if the said key is  
pressed for a period of time exceeding said preset time  $T$ .

16. The power off method for a wireless peripheral device as claimed in claim  
14, wherein said key provides a function of changing an ID code if it is  
pressed for a period of time shorter than preset time  $T$ .

15 17. The power off method for a wireless peripheral device as claimed in claim  
13, wherein an I/O configuration is further set before terminate power supply  
to all other circuit parts except said control chip.

18. The power off method for a wireless peripheral device as claimed in claim  
13, wherein after the termination of power supply to all other parts except  
said control chip, the said key must be pressed again in order to restore  
power supply to said wireless peripheral device.

19. The power off method for a wireless peripheral device as claimed in claim  
13, wherein said wireless peripheral device is a wireless mouse or a wireless  
keyboard.